

What is claimed is:

1. The sealing system for a shaft of a combustion engine having a motor casing cover (1) with a clearance hole (4) for receipt of a carrier (5) having at least one dynamically (9) and at least one statically effective sealing area (8) and the carrier (5) being equipped with a centering area (12) allowing centering relative to the clearance hole (4), while the carrier (5) is securely connectable to the motor casing cover (1) by means of a quarter-turn fastener (19) disposed on the carrier(s), and wherein the centering section (12) is arranged on the level of the quarter-turn fastener (19) in such a way that the dynamic sealing area (9), aligned with the shaft and the static sealing area (8), with a given contact pressure can be used in a corresponding area (3) of the motor casing cover (1).
2. The sealing system according to claim 1 wherein the centering area (12) is formed by radially arranged lugs (17).
3. The sealing system according to claim 1 wherein the static sealing area (8) is applicable to a straight running section (3) of the motor casing cover (1).
4. The sealing system according to claim 2 wherein the carrier (5) has a cross-section that is essentially L-shaped, thus forming one radial (6) and one axial (7) leg, and that the lugs (17) are arranged in the area of the axial leg (7) while, distributed on the perimeter, more lugs (17) are provided.
5. The sealing system according to claim 2 wherein, as seen in cross section, the lugs (17) are arranged next to the quarter-turn fastener (19).

6. The sealing system according to claim 2 wherein the outer area of the lugs (17) extends along radius R which is greater than radius r, along which the outer area of the quarter-turn fastener (19) extends.
7. The sealing system according to claim 1 wherein the carrier (5) is made from plastic, on which the static (8) and/or the dynamic sealing area (9) is formed.
8. The sealing system according to claim 2 wherein the radial leg (6) of the carrier (5) supports the statically effective sealing area (8).
9. The sealing system according to claim 8 wherein the axial leg (8) of the carrier (5) acts in combination with the dynamically effective sealing area (9).
10. A sealing assembly for dynamic and static sealing of an opening in a case in which a rotatable shaft extends, said assembly comprising:
 - a carrier mountable to the case and supporting dynamic and static sealing features;
 - a partial-turn fastener feature disposed on said carrier having radially projecting fastener lugs engagable with associated fastener features of the case for connecting said carrier to the case; and
 - a centering surface disposed on said carrier in concentric relationship with said static and dynamic sealing features at a location radially inward of an outermost said fastener lugs operative to engage an associated centering surface of the case for centering said dynamic and static sealing features relative to a central axis of the opening in the case.
11. A sealing system, comprising:
 - a case having an opening with an inner edge disposed about a central axis of said opening and a plurality of circumferentially spaced recesses extending radially outward from said inner edge separated by land regions between said recesses;
 - a shaft extending through said opening;
 - a seal assembly mounted on the case including a carrier mounting a dynamic seal encircling said shaft to provide dynamic sealing between said opening and said shaft, and mounting a static seal engaging said case to provide a static sealing

between said carrier and said case;

a partial-turn fastener feature disposed on said carrier including a centering surface and a plurality of fastener lugs extending radially outwardly of said centering surface which is disposed about a central axis of said seal assembly, said lugs being receivable in said recesses and rotatable to a position behind said land regions to lock said carrier in position on said case and to bring said centering surface of said carrier into engagement with said inner edge of said opening to align said axis of said seal assembly concentrically with said axis of said opening.